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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE UNDER 37 C.F.R. §1.8

I hereby certify that the documents enclosed herein are being deposited with the United States Postal Service on this 20 day of December, 2004 in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Michelle Ludwig
Michelle Ludwig

In re application of:)
Dam et al.)
) Examiner: Unknown
Serial No.: 10/715,910)
) Group Art Unit: 1614
Filed: 11/18/2003)
) Conf. No. 5658
For: Use of Lipoic Acid in Plant Culture Media)

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

TRANSMITTAL LETTER

Transmitted herewith are the following documents in the above-identified application.

- X Transmittal of Information Disclosure Statement within Three Months of Filing or Before Mailing of First Office Action (37 C.F.R. §1.97(b))
- X PTO Form 1449
- X 17 References
- X If an extension or an additional extension of time is required, but is not enclosed, please consider this a conditional petition therefor and charge Deposit Account 13-4125 accordingly.
- X No fee is believed required with this filing.
- X Please charge any deficiencies or credit any overpayment to Deposit Account 13-4125. A duplicate copy of this sheet is attached.

Respectfully submitted,

JRS

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Practitioner's Docket No. 38-21(51978)B

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Dan et al.
Application No.: 10/715,910
Filed: 11/18/2003
For: Use of Lipoic Acid in Plant Culture Media

Group No.: 1614
Examiner: Unknown
Conf. No. 5658

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. section 1.97(b))**

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))

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MAILING

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Date: Dec. 20, 2004

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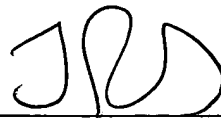

Signature

Michelle Ludwig

(type or print name of person certifying)

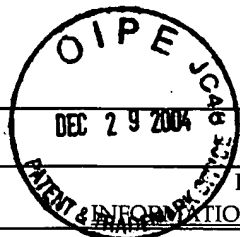
Date: 12/20/04

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Signature of Practitioner

M. Todd Rands



FORM PTO-1449 PATENT & INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 38-21(51978)B	APPLICATION NO. 10/715,910
		FILING DATE 11/18/2003	GROUP 1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	2,840,505	06/24/1958	Grunert et al.			
	AB	2,933,430	04/19/1960	Rosenberg et al.			
	AC	5,084,481	01/28/1992	Ulrich et al.			
	AD	5,334,612	08/02/1994	Kalden et al.			
	AE	5,508,275	04/16/1996	Weithmann et al.			
	AF	5,529,920	06/25/1996	Cole et al.			
	AG	5,569,670	10/29/1996	Weischer et al.			
	AH	6,090,842	07/18/2000	Packer et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AI						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AJ		Benson et al., Free Radical Processes in Plant Tissue Cultures: Implications for Plant Biotechnology Programmes, <i>Phyton</i> 37:31-38 (1997)
	AK		Benson, Special Symposium: <i>In Vitro</i> Plant Recalcitrance Do Free Radicals Have a Role In Plant Tissue Culture Recalcitrance?, <i>In Vitro Cell. Dev. Biol. - Plant</i> 36:163-170 (2000)
	AL		Dimpfel et al., Thioctic Acid Induces Dose-Dependent Sprouting of Neurites in Cultured Rat Neuroblastoma Cells, <i>Dev. Pharmacol Ther.</i> 14:193-199 (1990)
	AM		Gueguen et al., Fatty Acid and Lipoic Acid Biosynthesis in Higher Plant Mitochondria, <i>The Journal of Biological Chemistry</i> 275:5016-5025 (2000)
	AN		Larson et al., The Antioxidants of Higher Plants, <i>Phytochemistry</i> 27:969-978 (1988)
	AO		Packer et al., Alpha-Lipoic Acid as a Biological Antioxidant, <i>Free Radical Biology & Medicine</i> 19:227-250 (1995)
	AP		Pares et al., X-ray structure determination at 2.6A resolution of a lipoate-containing protein: The H-protein of the glycine decarboxylase complex from pea leaves, <i>Proc. Natl. Acad. Sci. USA</i> 91:4850-4853 (1994)
	AQ		Reed, From lipoic acid to multi-enzyme complexes, <i>Protein Science</i> 7:220-224 (1998)
	AR		Sen et al., Antioxidant and redox regulation of gene transcription, <i>FASEB Journal</i> 10:709-720 (1996)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.